

## **Abstract from Streamlining Distributed Combined Heat and Power in Virginia**

Submitted by the Virginia Department of Environmental Quality  
State Energy Program Special Projects DMME RFP #409-1-015  
Power Technologies: Distributed Energy Resources

The Virginia Department of Environmental Quality proposes to work in collaboration with pertinent state, local, and private sector partners to identify and try to surmount perceived or actual regulatory and administrative barriers to distributed combined heat and power (CHP) technologies. Potential barriers may include air quality permitting, other environmental permitting, utility interconnect requirements, building and fire codes, and local siting requirements. Among pertinent state agencies are the Department of Mines, Mineral and Energy, Department of Housing and Community Development, and State Corporation Commission.

The project will engage stakeholders to educate them about fuel cells, microturbines, and other advanced technologies so they can understand differences and similarities to conventional energy technologies. Stakeholders will then examine the application of permitting, siting, and other requirements, policies, and standards to distributed CHP technologies. Requirements, policies, and standards that may be inappropriately applied to new clean distributed CHP technologies will be identified and targeted for modification or clarification with respect to clean technologies. The planned outcomes include enhanced awareness of new clean CHP technologies among public and private sector stakeholders, identification of perceived and actual barriers to such technologies, and remedies to mitigate or remove such barriers. Project results will be disseminated through a final report, other publications, participation in meetings and conferences, and other outreach channels.